

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/699,024A  
Source: TFM  
Date Processed by STIC: 10/25/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

*10/699,024A*

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
  
- 4      Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
  
- 5      Variable Length     Sequence(s)      contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
  
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence:  
                                   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   (i)       SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                                   (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   This sequence is intentionally skipped  
  
                                   Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)      missing. If **intentional**, please insert the following lines for **each** skipped sequence.  
                                   <210> sequence id number  
                                   <400> sequence id number  
                                   000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                                   Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.  
                                   In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
  
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
  
- 11      Use of <220>     Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
                                   Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                                   (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa     "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 10/25/2006

PATENT APPLICATION: US/10/699,024A

TIME: 11:48:17

Input Set : E:\10699024.txt

Output Set: N:\CRF4\10252006\J699024A.raw

3 <110> APPLICANT: Hussan, Jagir Razak Jainul Abdeen  
 5 <120> TITLE OF INVENTION: Multisequence Data Representation  
 7 <130> FILE REFERENCE: JP920030152US1  
 9 <140> CURRENT APPLICATION NUMBER: 10/699,024A  
 10 <141> CURRENT FILING DATE: 2003-10-31  
 12 <160> NUMBER OF SEQ ID NOS: 18  
 14 <170> SOFTWARE: PatentIn version 3.3  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 10  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: artificial sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: chemically synthesized  
 24 <400> SEQUENCE: 1  
 25 cgcgcgcgcg  
 28 <210> SEQ ID NO: 2  
 29 <211> LENGTH: 18  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: artificial sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: chemically synthesized  
 36 <400> SEQUENCE: 2  
 37 acttgatcgg tagctaga  
 40 <210> SEQ ID NO: 3  
 41 <211> LENGTH: 28  
 42 <212> TYPE: DNA  
 43 <213> ORGANISM: artificial sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: chemically synthesized  
 48 <400> SEQUENCE: 3  
 49 acttgatcgg tagctagacg cgcgcgcg  
 52 <210> SEQ ID NO: 4  
 53 <211> LENGTH: 39  
 54 <212> TYPE: DNA  
 55 <213> ORGANISM: artificial sequence  
 57 <220> FEATURE:  
 58 <223> OTHER INFORMATION: chemically synthesized  
 60 <400> SEQUENCE: 4  
 61 acttgatcgg tagctagacg cgcgcgcgaa ataattaa  
 64 <210> SEQ ID NO: 5  
 65 <211> LENGTH: 49  
 66 <212> TYPE: DNA  
 67 <213> ORGANISM: artificial sequence

Please Not Carry  
 Outdated Diskette Needa  
 (pg. 4)

10

18

28

39

## RAW SEQUENCE LISTING

DATE: 10/25/2006

PATENT APPLICATION: US/10/699,024A

TIME: 11:48:17

Input Set : E:\10699024.txt

Output Set: N:\CRF4\10252006\J699024A.raw

```

69 <220> FEATURE:
70 <223> OTHER INFORMATION: chemically synthesized
72 <400> SEQUENCE: 5
73 acttgatcgg tagctagacg cgcgcgcgaa ataattaaac gcgcgcgcg      49
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 65
78 <212> TYPE: DNA
79 <213> ORGANISM: artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: chemically synthesized
84 <400> SEQUENCE: 6
85 acttgatcgg tagctagacg cgcgcgcgaa ataattaaac gcgcgcgcg      60
86 ccaac                                                    65
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 83
92 <212> TYPE: DNA
93 <213> ORGANISM: artificial sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: chemically synthesized
98 <400> SEQUENCE: 7
99 acttgatcgg tagctagacg cgcgcgcgaa ataattaaac gcgcgcgcg      60
100 ccaaccggag aagctcccaa aac                                                    83
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 93
106 <212> TYPE: DNA
107 <213> ORGANISM: artificial sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: chemically synthesized
112 <400> SEQUENCE: 8
113 acttgatcgg tagctagacg cgcgcgcgaa ataattaaac gcgcgcgcg      60
114 ccaaccggag aagctcccaa aaccgcgcgc gcg                                                    93
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 109
120 <212> TYPE: DNA
121 <213> ORGANISM: artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: chemically synthesized
126 <400> SEQUENCE: 9
127 acttgatcgg tagctagacg cgcgcgcgaa ataattaaac gcgcgcgcg      60
128 ccaaccggag aagctcccaa aaccgcgcgc gcgtactata tcatattac      109
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 96
134 <212> TYPE: DNA
135 <213> ORGANISM: artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: chemically synthesized
140 <400> SEQUENCE: 10
141 gctactgggt aatagcagac gcgcgcgcg agcgcgacca gtgaaataaa aaaacgcgcg      60
143 cgcgacagga gtaggccttc tactataact gattac                                                    96

```

## RAW SEQUENCE LISTING

DATE: 10/25/2006

PATENT APPLICATION: US/10/699,024A

TIME: 11:48:17

Input Set : E:\10699024.txt

Output Set: N:\CRF4\10252006\J699024A.raw

```

146 <210> SEQ ID NO: 11
147 <211> LENGTH: 97
148 <212> TYPE: DNA
149 <213> ORGANISM: artificial sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: chemically synthesized
154 <400> SEQUENCE: 11
155 cagtaatcgg actccagcgc gcgcgcgaag gagcgggtgag gcgaaataat gaaaacaggg 60
157 ctacgcctgc aaataactaa atactataca ttcttac 97
160 <210> SEQ ID NO: 12
161 <211> LENGTH: 112
162 <212> TYPE: DNA
163 <213> ORGANISM: artificial sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: chemically synthesized
168 <400> SEQUENCE: 12
169 caaattgtag gggagcgcgc gcgcgcacagg gctacgccaa ccgcgcgcgc gaaataacta 60
171 aaacctccat actatatatc attaccttac aagacgctta tgcaagggtc ac 112
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 95
176 <212> TYPE: DNA
177 <213> ORGANISM: artificial sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: chemically synthesized
182 <400> SEQUENCE: 13
183 cacgggacga aagtaattcg tagggggcgc gcgcgcgaaa taagaaaaac aggcctaagc 60
185 cttccgcgcg cgcggtatg cggcgaaatc cgagc 95
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 33
190 <212> TYPE: DNA
191 <213> ORGANISM: artificial sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: chemically synthesized
196 <400> SEQUENCE: 14
197 gctactgggt aatagcagag agcgcgacca gtg 33
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 33
202 <212> TYPE: DNA
203 <213> ORGANISM: artificial sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: chemically synthesized
208 <400> SEQUENCE: 15
209 cagtaatcgg actccagaag gagcgggtgag gcg 33
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 36
214 <212> TYPE: DNA
215 <213> ORGANISM: artificial sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: chemically synthesized

```

## RAW SEQUENCE LISTING

DATE: 10/25/2006

PATENT APPLICATION: US/10/699,024A

TIME: 11:48:17

Input Set : E:\10699024.txt

Output Set: N:\CRF4\10252006\J699024A.raw

220 <400> SEQUENCE: 16  
221 acttgatcgg tagctagacg gagaagctcc caaaac 36  
224 <210> SEQ ID NO: 17  
225 <211> LENGTH: 49  
226 <212> TYPE: DNA  
227 <213> ORGANISM: artificial sequence  
229 <220> FEATURE:  
230 <223> OTHER INFORMATION: chemically synthesized  
232 <400> SEQUENCE: 17  
233 caaattgtag gggagacctc cacttacaag acgcttatgc aagggctac 49  
236 <210> SEQ ID NO: 18  
237 <211> LENGTH: 48  
238 <212> TYPE: DNA  
239 <213> ORGANISM: Eighteenth Example Sequence  
241 <400> SEQUENCE: 18  
242 cacgggacga aagtaattcg taggggggct atgcggcgaa atccgagc 48

See item #10 on  
error summary  
sheet.

Invalid  
Response  
Per sequence rules,  
<213> response  
has to be either  
Artificial / Unknown  
or genus/species.

**VERIFICATION SUMMARY**

DATE: 10/25/2006

PATENT APPLICATION: US/10/699,024A

TIME: 11:48:18

Input Set : E:\10699024.txt

Output Set: N:\CRF4\10252006\J699024A.raw